

# INFORMATION DISCLOSURE STATEMENT

MAR 03 2003

Complete if known

Application Number: 09/728,896

Filing Date: December 1, 2000

First Named Inventor: Steinberg, et al.

Group Art Unit: 2877

Examiner Name: Michael P. Mooney

SHEET 1 OF 1

Attorney Docket Number: Shipley 03-05

## UNITED STATES PATENT DOCUMENTS

| EXAMINER'S INITIALS | CITE NO. | PATENT NUMBER | ISSUE DATE MM-DD-YYYY | FIRST NAMED INVENTOR |
|---------------------|----------|---------------|-----------------------|----------------------|
| MPM                 |          | 3,864,018     | 02/04/1975            | Miller               |
|                     |          | 4,225,213     | 09/30/1980            | McBride, Jr. et al.  |
|                     |          | 4,407,562     | 10/04/1983            | Young                |
|                     |          | 4,639,074     | 01/27/1987            | Murphy               |
|                     |          | 5,135,590     | 08/04/1992            | Basavanhally et al.  |
|                     |          | 5,185,846     | 02/09/1993            | Basavanhally et al.  |
|                     |          | 5,297,228     | 03/22/1994            | Yanagawa et al.      |
|                     |          | 5,337,384     | 08/09/1994            | Basavanhally et al.  |
|                     |          | 5,379,361     | 01/03/1995            | Maekawa et al.       |
|                     |          | 5,602,951     | 02/11/1997            | Shiota et al.        |
|                     |          | 6,045,270     | 04/04/2000            | Weiss et al.         |
|                     |          | 6,101,299     | 08/08/2000            | Laor                 |
| MPM                 |          | 6,328,479     | 12/11/2001            | Schofield et al.     |

## FOREIGN PATENT DOCUMENTS

| EXAMINER'S INITIALS | CITE NO. | DOCUMENT NUMBER | COUNTRY OR REGION | DATE OF PUBLICATION MM-DD-YYYY | FIRST NAMED INVENTOR OR APPLICANT |
|---------------------|----------|-----------------|-------------------|--------------------------------|-----------------------------------|
|                     |          |                 |                   |                                |                                   |

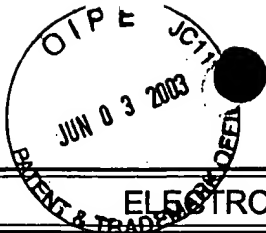
## OTHER PRIOR ART - NON-PATENT DOCUMENTS

| EXAMINER'S INITIALS | CITE NO. | Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
|---------------------|----------|---|
|                     |          |   |

| EXAMINER'S SIGNATURE | DATE CONSIDERED |
|----------------------|-----------------|
| Michael P. Mooney    | 8/20/03         |

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 3602. Draw a line through citation if citation not in conformance and reference not considered. Include a copy of this form with next communication to applicant.

RECEIVED  
HARD COPY  
2877  
TECHNOLOGY CENTER  
800



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

### Title of Invention

FIBER ARRAY SWITCH HAVING MICROMACHINED FRONT FACE WITH  
ROLLER BALLS

Application Number: 09/728896

Confirmation Number: 5701

First Named Applicant: Dan Steinberg

Attorney Docket Number:

Search string: ( 4120923 or 4165496 or 4176908 or 4210923 or 4296995 or 4325604 or 4415229  
or 4498730 or 4756590 or 4859022 or 4900118 or 4932745 or 5123073 or 5127084  
or 5181216 or 5257332 or 5390266 or 5440655 or 5461683 or 5483608 or 5499309  
or 5500910 or 5566262 or 5568585 or 5611006 or 5732167 or 5901262 or 5909524  
or 5920665 or 6056696 or 6064781 or 6118917 or 6160936 or 6393174 or 6393175  
or 20020025107 or 20020146194 or 20020028037 or 20020025104 ).pn.

RECEIVED  
JUN - 9 2003  
TECHNOLOGY CENTER 2800

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init                                | Cite.No. | Patent No. | Date       | Patentee                | Kind | Class | Subclass |
|-------------------------------------|----------|------------|------------|-------------------------|------|-------|----------|
| <input checked="" type="checkbox"/> | 1        | 4120923    | 1978-10-17 | Kloker et al.           |      |       |          |
| <input checked="" type="checkbox"/> | 2        | 4165496    | 1979-08-21 | Di Domenico, Jr. et al. |      |       |          |
| <input checked="" type="checkbox"/> | 3        | 4176908    | 1979-12-04 | Wagner                  |      |       |          |
| <input checked="" type="checkbox"/> | 4        | 4210923    | 1980-07-01 | North et al.            |      |       |          |
| <input checked="" type="checkbox"/> | 5        | 4296995    | 1981-10-27 | Bickel                  |      |       |          |
| <input checked="" type="checkbox"/> | 6        | 4325604    | 1982-04-20 | Witte                   |      |       |          |
| <input checked="" type="checkbox"/> | 7        | 4415229    | 1983-11-15 | McCullough              |      |       |          |
| <input checked="" type="checkbox"/> | 8        | 4498730    | 1985-02-12 | Tanaka et al.           |      |       |          |
| <input checked="" type="checkbox"/> | 9        | 4756590    | 1988-07-12 | Forrest et al.          |      |       |          |
| <input checked="" type="checkbox"/> | 10       | 4859022    | 1989-08-22 | Opdahl et al.           |      |       |          |
| <input checked="" type="checkbox"/> | 11       | 4900118    | 1990-02-13 | Yanagawa et al.         |      |       |          |
| <input checked="" type="checkbox"/> | 12       | 4932745    | 1990-06-12 | Blonder                 |      |       |          |
| <input checked="" type="checkbox"/> | 13       | 5123073    | 1992-06-16 | Pimpinella              |      |       |          |
| <input checked="" type="checkbox"/> | 14       | 5127084    | 1992-06-30 | Takahashi               |      |       |          |
| <input checked="" type="checkbox"/> | 15       | 5181216    | 1993-01-19 | Ackerman et al.         |      |       |          |
| <input checked="" type="checkbox"/> | 16       | 5257332    | 1993-10-26 | Pimpinella              |      |       |          |
| <input checked="" type="checkbox"/> | 17       | 5390266    | 1995-02-14 | Heitmann et al.         |      |       |          |
| <input checked="" type="checkbox"/> | 18       | 5440655    | 1995-08-08 | Kaplow et al.           |      |       |          |
| <input checked="" type="checkbox"/> | 19       | 5461683    | 1995-10-24 | Harman                  |      |       |          |
| <input checked="" type="checkbox"/> | 20       | 5483608    | 1996-01-09 | Yokomachi et al.        |      |       |          |
| <input checked="" type="checkbox"/> | 21       | 5499309    | 1996-03-12 | Kozuka et al.           |      |       |          |

|                                     |    |         |            |                   |
|-------------------------------------|----|---------|------------|-------------------|
| <input checked="" type="checkbox"/> | 22 | 5500910 | 1996-03-19 | Boudreau et al.   |
| <input type="checkbox"/>            | 23 | 5566262 | 1996-10-15 | Yamane et al.     |
| <input type="checkbox"/>            | 24 | 5568585 | 1996-10-22 | Kramer            |
| <input type="checkbox"/>            | 25 | 5611006 | 1997-03-11 | Tabuchi           |
| <input checked="" type="checkbox"/> | 26 | 5732167 | 1998-03-24 | Ishiko et al.     |
| <input type="checkbox"/>            | 27 | 5901262 | 1999-05-04 | Kobayashi et al.  |
| <input type="checkbox"/>            | 28 | 5909524 | 1999-06-01 | Tabuchi           |
| <input type="checkbox"/>            | 29 | 5920665 | 1999-07-06 | Presby            |
| <input checked="" type="checkbox"/> | 30 | 6056696 | 2000-05-02 | Kallman           |
| <input type="checkbox"/>            | 31 | 6064781 | 2000-05-16 | Seibold et al.    |
| <input type="checkbox"/>            | 32 | 6118917 | 2000-09-12 | Lee et al.        |
| <input type="checkbox"/>            | 33 | 6160936 | 2000-12-12 | You et al.        |
| <input checked="" type="checkbox"/> | 34 | 6393174 | 2002-05-21 | Karaguleff et al. |
| <input checked="" type="checkbox"/> | 35 | 6393175 | 2002-05-21 | Jurbergs et al.   |

### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init                                | Cite.No. | Pub. No.    | Date       | Applicant        | Kind | Class | Subclass |
|-------------------------------------|----------|-------------|------------|------------------|------|-------|----------|
| <input checked="" type="checkbox"/> | 1        | 20020025107 | 2002-02-28 | Heiks et al.     |      |       |          |
| <input checked="" type="checkbox"/> | 2        | 20020146194 | 2002-10-10 | Sherrer et al.   |      |       |          |
| <input checked="" type="checkbox"/> | 3        | 20020028037 | 2002-03-07 | Steinberg et al. |      |       |          |
| <input checked="" type="checkbox"/> | 4        | 20020025104 | 2002-02-28 | Steinberg et al. |      |       |          |

Signature

|                          |                |
|--------------------------|----------------|
| Examiner Name            | Date           |
| <i>Michael P. Mooney</i> | <i>8/21/03</i> |